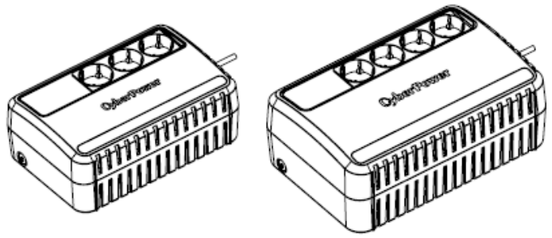


BU600E/BU1000E
User's Manual

K01-C000065-00

IMPORTANT SAFETY INSTRUCTIONS

(SAVE THESE INSTRUCTIONS)

This manual contains important safety instructions. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate your UPS.

CAUTION! To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (See the specifications for the acceptable temperature and humidity range.)
CAUTION! To reduce the risk of overheating the UPS, do not cover the UPS' cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as space heaters or furnaces.
CAUTION! Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.
CAUTION! Do not plug the UPS input into its own output.
CAUTION! Do not allow liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.
CAUTION! In the event of an emergency, press the OFF button and disconnect the power cord from the AC power supply to properly disable the UPS.
CAUTION! Do not attach a power strip or surge suppressor to the UPS.
CAUTION! Unplug the UPS prior to cleaning and do not use liquid or spray detergent.
CAUTION! Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.
CAUTION! The battery supply should be therefore disconnected in the plus and minus pole at the quick connectors of the battery when maintenance or service work inside the UPS is necessary.
CAUTION! Internal battery voltage is 12Vdc. Sealed, lead-acid, 6-cell battery.
CAUTION! When replacing the batteries, use the same number and type of batteries.
CAUTION! Do not dispose of batteries in a fire. The battery may explode. Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes.

INSTALLING YOUR UPS SYSTEM

UNPACKING

The box should contain the following: (1) UPS Unit x1; (2) Quick Start Guide x1; (3) User Manual x1.

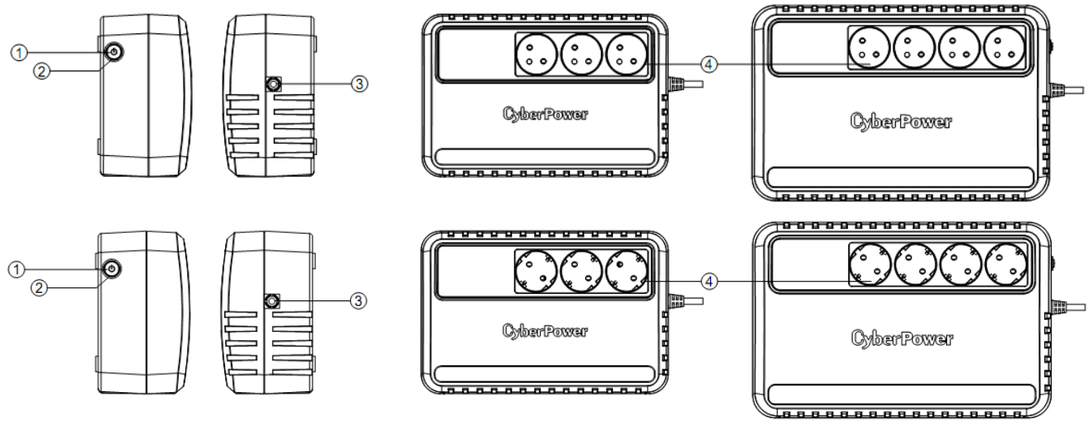
OVERVIEW

The BU600E/BU1000E provides automatic voltage regulation for inconsistent utility power, and provides battery backup during power outages. The BU600E/BU1000E ensures consistent power to your computer system.

HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, recharging the battery for at least 8 hours is recommended to ensure that the battery's maximum charge capacity is achieved. Charge loss may occur during shipping and storage. To recharge the battery, simply leave the unit plugged into an AC outlet. The unit will charge in both the on and off position.
2. With the UPS unit off and unplugged, connect the computer, monitor, and any externally powered data storage device (Zip drive, Jazz drive, Tape drive, etc. into the battery power supplied outlets. **DO NOT plug a laser printer, copier, space heater, vacuum, paper shredder or other large electrical device into the battery power supplied outlets. The power demands of these devices will overload and possibly damage the unit.**
3. Plug the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands (e.g. air conditioner, refrigerator, copier, etc. Avoid using extension cords.
4. Press the power switch to turn the unit on. The power on indicator light will illuminate and the unit will "beep".
5. If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS off and unplug at least one piece of equipment from the battery power supplied outlets. Wait 10 seconds. Make sure the circuit breaker / fuse is normal and then turns the UPS on.
6. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
7. To store your UPS for an extended period, cover it and store with the battery fully charged. Recharge the battery every three months to ensure battery life.

BASIC OPERATION



1. **Power Switch**
   Press the switch for 2 seconds to turn the UPS ON or OFF.
   Alarm setting: The audible alarm can be turned OFF or ON by quickly pressing the POWER button twice. The default setting is for the Alarm On. To turn the Alarm Off, quickly press the power button twice. You will hear two short beeps when the Alarm is turned off. To turn the Alarm back on, quickly press the power button twice. You will hear a single short beep when the Alarm is turned on.
2. **Led Indicators**
   This LED is illuminated when the UPS is working.
3. **Input Power Cord**
   Connect to utility power.
4. **AC outlet**
   The UPS provides outlets for connected equipment to insure temporary uninterrupted operation during a power failure and against surges and spikes.

TECHNICAL SPECIFICATIONS

Model	BU600E	BU1000E
Capacity (VA)	600	1000
Watt (W)	360	600
Input		
Voltage Range	165~280Vac	
Nominal Frequency	50 Hz	
Output		
On Battery Output Voltage	Simulated Sine Wave at 220Vac +/-5%	
On Battery Output Frequency	50 Hz +/-1%	
Overload Protection	Breaker / Fuse	
Physical		
Total # of UPS Receptacles	3	4
Dimensions (H x W x D)(mm)	91.5 x 158 x 240	110.5 x 190 x 290
Weight	3.8 kg	6.9 kg
Battery		
Sealed Maintenance Free Lead Acid Battery	RBP0043 x1	RBP0046 x2
Typical Recharge Time	8 Hours	
Warning Diagnostics		
Indicators	Power On / Using Battery	
Audible Alarms	On Battery, Low Battery, Overload, Fault	
Environmental		
Operating Temperature	0°C to 40°C	
Operating Relative Humidity	0 to 90%	
Management		
Auto-Charger	Yes	
Auto-Restart	Yes	

DEFINITIONS FOR ILLUMINATED LED INDICATORS

○ **LED**	**Alarm**	**Condition**
On	Off	Normal
Flash	Beep Twice	Utility Failure - The UPS is providing battery power to outlets.
Flash	Rapid Beeping	Utility Failure - The UPS is providing battery power. The rapid beeps indicate the battery will run out of power shortly.
On/Flash	Constant Tone	Overload - Occurs when connected equipment exceeds the rating of the unit. Turn the UPS off and unplug at least one piece of equipment from the UPS.

TROUBLESHOOTING

Problem	Possible Cause	Solution
The UPS does not perform expected runtime.	Batteries are not fully charged.	Recharge the battery by leaving the UPS plugged in.
	Battery is slightly worn out.	Contact CyberPower Systems Technical Support.
The UPS will not turn on.	The unit is not connected to an AC outlet.	The unit must be connected to a 220-240V outlet.
	The battery is worn out.	Contact CyberPower Systems Technical Support.
	Mechanical problem.	Contact CyberPower Systems Technical Support.
Outlets do not provide power to equipment	Fuse is blown or breaker is tripped due to overload.	Turn the UPS off and unplug at least one piece connected equipment. Unplug the power cord of the UPS then replace the blown fuse with a spare one or press the circuit breaker knob. Connect power cord then turn the UPS on. Make sure that your spare fuse meets the specification.
	Batteries are discharged	Allow the unit to recharge for at least 4 hours.
	Unit has been damaged by a surge or spike.	Contact CyberPower Systems Technical Support.

For more information, visit www.cpsww.com

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